

## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

- (i) APPLICANTS: Dario NERI,  
Barbara CARNEMOLLA,  
Annalisa SIRI,  
Enrica BALZA,  
Patrizia CASTELLANI,  
Alessandro PINI,  
Luciano ZARDI,  
Greg Paul WINTER,  
Giovanni NERI,  
Laura BORSI
- (ii) TITLE OF INVENTION: ANTIBODIES TO THE ED-B  
DOMAIN OF FIBRONECTIN, THEIR CONSTRUCTION AND  
USES
- (iii) NUMBER OF SEQUENCES: 12
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: HEDMAN, GIBSON & COSTIGAN, P.C.
  - (B) STREET: 1185 Avenue of the Americas
  - (C) CITY: New York
  - (D) STATE: New York
  - (E) COUNTRY: USA
  - (F) ZIP: 10036-2646
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb  
storage
  - (B) COMPUTER: IBM PS/2
  - (C) OPERATING SYSTEM: DOS
  - (D) SOFTWARE: Word Perfect 5.1
- (vi) CURRECT APPLICATION DATA:
  - (A) APPLICATION NUMBER:
  - (B) FILING DATE:
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: 9610967.3
  - (B) FILING DATE: May 24, 1996
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Costigan, James V.
  - (B) REGISTRATION NUMBER: 25,669
  - (C) REFERENCE/DOCKET NUMBER: 515-4132

## (ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: (212) 302-8989
- (B) TELEFAX: (212) 302-8998

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 4 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: peptide

## (iii) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Ser Leu Pro Lys  
1

## (3) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: peptide

## (iii) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Gly Val Gly Ala Phe Arg Pro Tyr Arg Lys His Glu  
1 5 10

## (4) INFORMATION FOR SEQ ID NO:3:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 17 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: cDNA

## (iii) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CAGGAAACAG CTATGAC 17

## (5) INFORMATION FOR SEQ ID NO:4:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 69 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) SEQUENCE DESCRIPTION: SEQ ID NO:4:

CTTGGTCCCT CCGCCGAATA CCACMNNMNN MNNMNNMNNM  
 NNAGAGGAGT TACAGTAATA GTCAGCCTC 69

(6) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 54 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) SEQUENCE DESCRIPTION: SEQ ID NO:5:

ATTGCTTTTC CTTTTTGCGG CCGCGCCTAG GACGGTCAGC  
 TTGGTCCCTC CGCC 54

(7) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 43 base pairs  
 (B) TYPE: amino acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Gly	Gly	Cys	Leu	Thr	Asp	Thr	Leu	Gln	Ala	Phe	Thr	Asp
1				5					10			
Gln	Leu	Glu	Asp	Glu	Lys	Ser	Ala	Leu	Gln	Thr	Glu	Ile
	15				20						25	
Ala	His	Leu	Leu	Lys	Glu	Lys	Glu	Lys	Leu	Glu	Phe	Ile
		30						35				
Leu	Ala	Ala	His									
40												

(8) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8 amino acids  
 (B) TYPE: amino acid

(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Pro Val Val Leu Asn Gly Val Val  
1 5

(9) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Pro Phe Glu His Asn Leu Val Val  
1 5

(10) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 113 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) ORIGINAL SOURCE:

(A) STRAIN: CGS1

(iii) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln
1			5						10			
Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Val	Ser	Gly
	15				20					25		
Phe	Thr	Phe	Ser	Ser	Tyr	Ala	Met	Ser	Trp	Val	Arg	Gln
		30					35					
Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	Ser	Ala	Ile	Ser
40				45				50				
Gly	Ser	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
	55					60					65	
Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr
				70					75			

Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
80						85					90	
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Ser	Leu	Pro	Lys	Trp	Gly
			95					100				
Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Arg				
105					110							

(11) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 121 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

(iii) ORIGINAL SOURCE:

- (A) STRAIN: CGS2

(iii) SEQUENCE DESCRIPTION: SEQ ID NO:10:

[illegible]

(12) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 109 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

## (iii) ORIGINAL SOURCE:

(A) STRAIN: CGS1

## (iii) SEQUENCE DESCRIPTION: SEQ ID NO:11:

```

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
1      5      10
Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
15      20      25
Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro
30      35
Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn
40      45      50
Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser
55      60      65
Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
70      75
Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Ser Pro
80      85      90
Val Val Leu Asn Gly Val Val Phe Gly Gly Gly Thr Lys
95      100
Leu Thr Val Leu Gly
105

```

## (13) INFORMATION FOR SEQ ID NO:12:

## (i) SEQUENCE CHARACTERISTICS:

```

(A) LENGTH: 109 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

```

## (ii) MOLECULE TYPE: protein

## (iii) ORIGINAL SOURCE:

(A) STRAIN: CGS2

## (iii) SEQUENCE DESCRIPTION: SEQ ID NO:12:

```

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
1      5      10
Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
15      20      25
Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro
30      35
Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn
40      45      50
Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser
55      60      65
Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
70      75
Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Ser Pro
80      85      90

```

Phe Glu His Asn Leu Val Val Phe Gly Gly Gly Thr Lys  
95 100  
Leu Thr Val Leu Gly  
105